rable to have windows in *a* a chamber plan, and *f f* on ground plan? and, lastly, whether cellarage is included in the sum of 400*l.*, or the closet C intended for coals? If the individual alluded to would have the kindness to afford an early answer, I shall feel obliged.

I am, Sir, &c. &c.

A BUILDER IN PRACTICE.

Miscellanea.

ETON COLLEGE IMPROVEMENTS.—The students of Eton College having come to the liberal and praiseworthy determination of furnishing a new east window to the college chapel, at a cost of 2,000*l.*, have been enabled, previous to the breaking up of the school for the Christmas holydays, to make the following gratifying report:—"The committee feel much gratification in announcing, that the first instalment, 400*l.*, has been collected, and paid by the treasurer into Messrs. Nevile, Reid, and Co.'s Bank. Also, that, according to the general design submitted to them by Mr. Willement, and approved by the authorities of the college, the centre compartment on the lower tier will be occupied with the Crucifixion, that in the upper tier with the Ascension, the four other compartments, containing twelve divisions, with the twelve Apostles. Also, that they have commissioned Mr. Willement to commence the centre compartment of the lower tier; which will be completed by the end of next March. Also, that the cost of the whole window will, by agreement, not exceed, but probably be less than, 2,000*l.*; in which sum all incidental as well as necessary expenses, together with an outer covering of copper wire, are to be included. Lastly, the committee express their earnest hope that this work will not be allowed to fall to the ground by the indifference of their schoolfellows, but that the required subscription of 320*l.* each school-time may be forthcoming, as then within two years the window will have been completed by the voluntary subscriptions of the present Etonians. J. L. Joynes, E. B. Foster, T. Brocklebank, secretary, G. Herbert, C. Patteson, treasurers."

HYDROSTATIC INVESTIGATION.—Some very interesting experiments were made on Saturday week, at the bottom of Pulteney street, for the purpose of obtaining practical data for calculating the height and power of jets of water discharged under various pressures and with different forms of jet pipes; and likewise to ascertain the capacity of the new water mains to supply a force of water in the event of fire; but this was the secondary object of the investigation. An accident having happened in the early part of the experiments in the mercurial pressure gauge, its use was abandoned for the present, and the altitude alone attended to. As it is intended to renew the experiments, with several improvements, which the present trial suggested, it would be premature to state the various results as the maximum to be attained; it may, however, be stated that the greatest altitude was attained by using a jet pipe of 11-16ths of an inch diameter, the height being 103 feet 6 inches above the level of the sea, or about double the height of the houses in Pulteney-street. It may appear a remarkable fact, that a jet of ¾ an inch in diameter and one of 1¼ inch both attained the same height, or rather the 1¼ inch jet rose to rather the greater height, being about 79 feet, although the volume of water in the latter case was upwards of 5 times that in the former. This fact suggests a material improvement in the jet pipes to be applied to the present fire mains—those now in use being only 9-16ths of an inch, which is still, probably, the largest diameter that can be worked by manual labour. The experiments shewed that the natural pressure of the water in the streets of Bath is so great, that in the event of a fire, a quantity of water could be thrown upon it, without any manual labour, equal in quantity to that ejected by five fire-engines of ordinary power, and with force considerably greater.

FIRST LIST OF DONATIONS TO THE WESLEYAN EDUCATION GENERAL FUND.—The first list of subscriptions to this fund, to promote the education of the children of the labouring classes, amounts to 6,000*l.*; which sum, observes the *Watchman*, is surely a very satisfactory first instalment of 20,000*l.* which it is desired to raise at once, for the specific purpose to which we have adverted.

WORK OF ART FROM HULL.—The *Leeds Intelligencer* says:—"We mentioned some months ago having had the gratification of seeing a bust of the view modelled in clay by W. D. Keyworth, of Hull, a most promising and talented sculptor. This week we have seen a marble bust executed by the same artist from that model; and what we have said of the original, as to character and resemblance, we can faithfully repeat of the copy in marble. It is a remarkable likeness, life-like, characteristic, and dignified; the execution is highly finished and beautiful, and the expression is natural and free. The work is one which fully entitles the young artist to a place of eminence in his noble profession."

Tenders.

AMOUNT of tenders for finishing seventeen houses in Norland-square, Notting-hill, for Charles Richardson, Esq.—Messrs. Cope and Eales, Architects, 17, Bloomsbury-square. December, 1843.

Pratt and Bodle	£7,149
C. Stevenson	7,760
J. Jay	7,873
Haynes and Co.	8,500
Piper and Son	8,695

NOTICES OF CONTRACTS.

IRON TOLL-HOUSE AND PREMISES.—Three-Mile-Oak, near West Bromwich.—Edge and Avery, Architects, Birmingham.—Mr. James Frost, Surveyor, Wood-green, Wednesbury. Jan. 1, 1844.

WORKHOUSE FITTINGS.—Stove, Grates, Gas, &c., Sheffield Union.—Plans and specifications at the Clerk of Works Office, George Crossland, Clerk. Dec. 27.

NOTTINGHAM.—Enlarging, Straightening, and Improving the River Smite, and building Bridges.—Godfrey Tallents, Clerk, Newark. January 2, 1844.

BRIDLINGTON PIERS AND HARBOUR.—Erection of a new south pier, removal of present pier, and other works for enlargement of Harbour.—Plans and Specifications at Mr. Sidney Taylor, Solicitor, Bridlington, after Jan. 1, 1844; March 1, 1844.

BANFF PRISON.—BUILDING A SEWER.—G. A. Young Leslie, Banff. Dec. 27, 1843.

ADDENBROOKE'S HOSPITAL, CAMBRIDGE.—ADDITIONS AND ALTERATIONS.—Drawings and Specification at Mr. Walter, Architect, Trumpington, Cambridge, after the 18th.—F. Barlow, Secretary, St. Andrew's-street, Cambridge. Jan. 1, 1844.

ENLARGEMENT OF SUFFOLK LUNATIC ASYLUM.—SPECIFICATIONS, &c.—Dr. Kirkman, the Asylum; J. H. Burton, Clerk of the Peace, Bury St. Edmunds. January 23, 1844.

KENTISH TOWN CHAPEL.—TAKING DOWN AND REBUILDING.—Drawings, &c., at Messrs. Scadding and Soo, Solicitors, 3, Gordon-street, Gordon-square. 4 Jan., 1844.

NOTICES.

In answer to several parties who have applied to us respecting binding their copies of THE BUILDER, *we beg to state that we have made arrangements for binding in a uniform cover, which can be had by application at the office, at a cost of Two Shillings, or our Publisher will undertake to get any sets bound at a charge of Three Shillings.*

TO OUR READERS.

Mr. Newnham's puzzle has been answered by "A Subscriber," Portsea, *and several others.*

TO OUR CORRESPONDENTS.

"B. B."—*We thank him for his drawings, &c., of a Wooden Foot-bridge, which shall appear.*

"Mr. James Pickard."—*His contribution is a beautiful example, and shall appear. Can he not supply us with some particulars of the church? We thank him for the other information.*

"R. S." *will please to accept our thanks.*

"L. M." *asks for sketches and for more information on arches. He and his friends shall have them. We cannot positively promise the frontispiece he solicits, although it has been in our mind to promote one a long time.*

"R. A."—*His proposal would be peculiarly acceptable if other circumstances admitted. We are also aware of the objection he urges, but time alone will effectually remedy it, and perhaps also [illegible] to entertain his proposal.*

"Hall of Commerce."—*No architect was employed. The proprietor, we believe, Mr. Mashay, directed and superintended the work himself.*

"B. G. N.," Glasgow.—*His plan of "Small Street Houses" of Scotch towns is much esteemed, and will be by our readers.*

NEW METROPOLITAN BUILDING ACT.—"S. R. B." *is informed that the Bill has been considerably altered since our publication of it, and that it is intended to bring it forward in the next Session of Parliament as altered, in which shape, or pretty near it, we suppose it will pass.*

"Mr. Richards."—*His note is forwarded to the proper parties.*

CAMBERWELL CHURCH.—"J. P." *calls attention to what he considers defects in the design for this church—the blanks on each side of the upper windows, and the different form of the centre arch. He also objects that the "flying buttresses on the apse do not agree with the lower part of the tower. We should be disposed to say that the beauties of Gothic art are not of a self-evident character, if the artless manner of "J. P." may be relied upon as a test.*

ADEL PORCH.—*The lithograph comprises more than is detailed in the drawing in* THE BUILDER. "J. W. W." *may obtain it by applying to Mr. Norris Compton, Architect, Leeds; or perhaps Mr. Compton may see this and state by whom the drawing is published.*

"G. S.," "MacWood," "A Well-wisher," and "J. C.," *received.*

SUMMARY OF CORRESPONDENCE.

"L. M." *begs to thank* "J. L. T." *for the beautiful font from Brecon. He says it is to him, if he may use the term, music for the eyes, and hopes that an ancient window or font may be given as a treat from the same quarter.*

"A Well-wisher."—*There must be some mistake. The monthly parts of* THE BUILDER *are always ready for the monthly parcels of the country booksellers. He expresses himself as "quite pleased on the whole with* THE BUILDER, *but thinks the title a misnomer, that is, says he, if it be derived from the business so called, as it certainly more concerns architects than builders, the latter being to the former just what a vendor of drugs is to the physician. He remarks on several matters connected with the uniting up the architect and builder in practice, animadverting on the character of works produced under the union of these callings in one individual, &c. He suggests the propriety of designating our journal "The Architect." To this and another matter or two arising out of it we have addressed ourselves in another place.*

REPLY TO PASSED INQUIRIES.

ENCAUSTIC TILES.—*We can now mention the names of other manufacturers and dealers who have been obliging enough to forward us the information for our correspondent* "W. B."

Mr. H. Baker, late Burroughs' Wharf, Cumow's Wharf, Bristol.

Mr. Mayer, of Burslem, Staffordshire, has sent us a letter of his terms, which we have forwarded to "W. B." *His prices are from 8s. per yard up to 40s., including plain, drab, red, and black marble patterns, octagon shaped, inlaid with coats of arms, &c., variegated with landscapes, mosaic patterns, &c.*

Mr. Pickard calls our attention to Mr. Minton's works, near Newcastle-under-Lime. Mr. Minton's reputation is well known as a manufacturer; his tiles are in great request. He built a church at Hartshill at his own expense, where also these tiles are used.

BALCONY FLOOR.—"W. B." *at page 526, inquired for the best covering on the nature of a cement for the wooden floor of a balcony; for one thing we may call his attention to the* SYDSELL ASPHALTE. *It has been recently laid down to the gallery of "The Monument," and has perfectly united itself to the iron rails, and in other respects, as fitted for his purposes, it needs no encomium from us.*

INQUIRIES.

FOR POLISHING BLACK MARBLE.—"L. M." *begs to be furnished with an account of the best method and ingredients.*

"CRYSTALLINE PLASTER."—*There is in use in London a very fine, white, and extremely hard material for interior decorations; it has been much used, I believe, by Messrs. Cubitt. I think the name given to it is Crystalline Plaster. Would you, or any of your numerous readers, be kind enough to inform me where it is to be obtained, and what price it is sold at?*

BUILDERS' PRICE BOOK.—*The reputation of both "Skyring's and Laxton's" stand high, and it would be invidious in us to utter a preference.* "G. F." *will see our remarks on the latter in another place.*

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